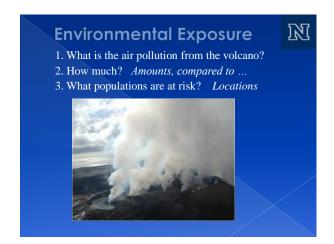


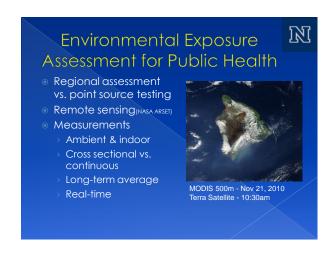
Gas	Description	Health Effect
SO ₂	Colorless Taste >0.350 -1.0 ppm Odor >.67-4.7 ppm AEGL-1 = .20 ppm AEGL-2 = .75 ppm	Respiratory & dermal Irritant, bronchoconstriction & inflamation, exacerbation asthma/COPD
H ₂ S	Colorless Taste/Odor > 025 ppm olfactory fatigue LOAEL = 2 ppm Acute MRL = 0.07 ppm IDLH = 100 ppm 500 ppm – knockdown	Asphyxiant, URT irritant, bronchitis, asthma, death from acute respiratory distress syndrome - pulmonary edema – cardiac arrythmias
CO ₂	Colorless, Odorless 0.03% of air; >10% can be fatal heavier than air IDLH = 40,000 ppm	Asphyxiant, respiratory drive, causes CNS excitation followed by CNS depression
HCL	Colorless odor = 0.77-5 ppm Individualized heavier than air AEGL-1 = 1.8 ppm IDLH = 50 ppm	Respiratory & dermal Irritant, bronchoconstriction & inflamation, RADS - pulmonary edema

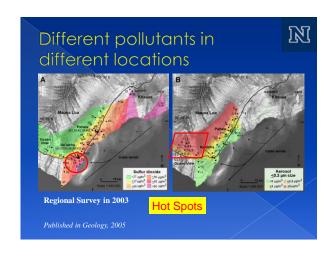






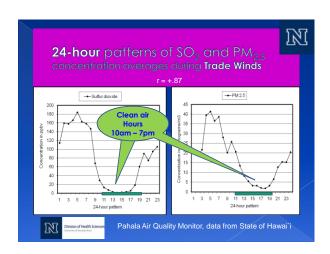












SO ₂ Penetration Indoors]
	Indoor Penetration	Locations	
	69%	School Cafeteria	
	59% - 85%	School Classrooms	
	56% - 68%	Plantation Houses	
	15% - 23%	Modern Houses	
	71% - 91%	Hospital Dayroom	
	65%	Hospital Clinic	
	85%	Emergency Department	
_	8% - 25%	Air conditioning	
	⊒,	Published: Geology, 2005; Family & Community Health, 2010	

